

# Guide to Common Battery Sizes with Size Chart

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Batteries, almost quite literally, make the work go round. Without them, you’d have to get up and change the channel on your TV, and your computer’s time and date would be messed up every time you booted it up. But what sizes do batteries come in?

Batteries come in all different shapes and sizes. In order from smallest to largest in terms of physical size, the most common 1.5-volt batteries sizes are AAA, AAA, AA, C, and D. As per Battery Council International Standards, battery groups range in size from 9.4 × 5.1 × 8.8 inches to 13 × 6.8 × 9.4 inches.

Apart from the physical size of a battery, have you ever wondered what a battery’s specifications—e.g., voltage, amp-hours, Li-Ion, etc.—mean? If so, I invite you to continue reading since I’ll describe a battery’s specifications and much more in the following sections.

Batteries come in various shapes and sizes. However, before discussing the physical size and classes of a battery, it’s important that we familiarize ourselves with the various types of batteries.

A household battery is a battery that is used to power various household items, including but not limited to neon signs, remote controls, and touchless soap dispensers. The most common household battery sizes are, from smallest to largest, AAAA, AAA, AA, C, and D, as well as a series of button cells. 9V batteries are also a common household battery size used almost exclusively for powering smoke detectors.

This type of battery usually has a power of up to 9 volts—usually between 1.2 and 1.5 volts—and has an amp-hour rating of between 2 and 3 (2,000 and 3,000 mAh) at 3.9 watt-hours. Household batteries are cylindrical or rectangular cuboid in shape.

Specialty batteries are considerably larger than household batteries. They are typically rectangular cuboid in shape and are used for heavy duty applications, including powering lawnmowers, vehicles (such as 12v batteries), and cordless power tools & devices.

The Battery Council International Standards (BCI), similar to the IEC, has standardized battery sizes into different groups, so batteries of identical sizes can be used interchangeably in the same products.

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